Subject index

Acetylcholinesterase
Arkett SA, et al. 285–294
ACTH
Redondo JL, et al. 389–397
Actin
Brix K, et al. 115–122
Slepecky N 69–75
Actin filaments
Brix K, et al. 115–122
Adrenal cortex
Redondo JL, et al. 389–397
β-Adrenoreceptors
Ball GF, et al. 123–128
Alkaline phosphatase
Tenenbaum HC, et al. 555–563
Aminergic neurons
Staiger JF, et al. 471–490
Amnion
Overton J 141–147
Amyloid
Clark A, et al. 179–185
Anglerfish peptide YG
Noe BD, et al. 303–311
Arginine vasopressin
Kagotani Y, et al. 269–278
Atresia
Familiari G, et al. 247–253
Atrial natriuretic polypeptides
Iida H, et al. 325–331
Atrial-specific granules
Iida H, et al. 325–331
Autonomic ganglia; see also Ganglia, autonomic
Furness JB, et al. 415–422
Autonomic innervation
Emmelin N, et al. 549–554
Furness JB, et al. 415–422
Miller AS, et al. 171–178
Noe BD, et al. 303–311
Autoradiography
Ball GF, et al. 123–128
McGeachie JK 455–457
Axotomy
Peyronnard J-M, et al. 379–388
Basal lamina, basement membrane
Leardkamolkarn V, et al. 587–596
Biliary system
Chapman LM, et al. 333–341
Bombesin
Miller AS, et al. 171–178
Bowman's capsule
Gibson IW, et al. 201–206
Brain, invertebrate
Andriès JC, et al. 105–113
Evans BD, et al. 187–199
Hanesch U, et al. 343–366
Brain, vertebrate
Gröschel-Stewart U, et al. 137–139
Noe BD, et al. 303–311
Brush cells
Iseki S, et al. 545–548
Calbindin
Lunam CA 149–153
Calcitonin gene-related peptide (CGRP)
Kameda Y 623–629
Calcium ions
Medina A, et al. 597–601
Carbohydrates
Richards EH, et al. 445–454
Cardioactive peptide-like immunoreactivity
Evans BD, et al. 187–199
Carotenoid deficiency
White RH, et al. 519–528
Carotid body
Kameda Y 623–629
Cell culture
Chaminadas G, et al. 129–136
Ennas MG, et al. 9–15
Redondo JL, et al. 389–397
Cell death
Overton J 141–147
Cell junctions
Tidball JG, et al. 77–84
Cell kinetics
Brix K, et al. 115–122
Cell migration, – motility, – movements
Slepecky N 69–75
Cell proliferation
Matsuno K, et al. 459–470
McGeachie JK 455–457
Tenenbaum HC, et al. 555–563
Cerebral ganglia
Hernádi L, et al. 313–323
Chemoreceptors
Schmidt M 609–621
Chloride cells
King JAC, et al. 367–377
Cholecystokinin (CCK)
Andriès JC, et al. 105–113
Cholinergic nerves, terminals
Arkett SA, et al. 285–294
Cilia
Arkett SA, et al. 285–294
Circadian rhythm
Tillet Y, et al. 23–28
Cobalt labeling
Rooney DJ, et al. 423–436
Coexpression
Kasper M, et al. 661–664
Color vision
Gaur VP, et al. 497–503
Compound eye
White RH, et al. 519–528
Wunderer H, et al. 565–576
Connective tissue
McGeachie JK 455–457
Corticosterone
Redondo JL, et al. 389–397
Corticotropin-releasing factor (CRF) = – – hormone (CRH)
Ball GF, et al. 155–161
Cyclic activity
Wrobel K-H, et al. 93–103
Cytochemistry
Peyronnard J-M, et al. 379–388
Cytokeratins
Kasper M, et al. 661–664
Cytoplasm
Gröschel-Stewart U, et al. 137–139
Cytoskeleton
Slepecky N 69–75
Degeneration
Narfström K, et al. 631–639
Wunderer H, et al. 565–576
Dendritic reticulum cell
Ennas MG, et al. 9–15
Denervation
McGeachie JK 455–457
Development, ontogenetic
Tidball JG, et al. 77–84
Development, ontogenetic
Breidbach O, et al. 217–225
Malz CR, et al. 649–652
Diabetes mellitus
Clark A, et al. 179–185
Dorsal root ganglia
Lunam CA 149–153
Peyronnard J-M, et al. 379–388
Dura mater
Angelov DN, et al. 207–216
Endocytosis
Leach L, et al. 603–607
Endometrium
Chaminadas G, et al. 129–136
Hohn H-P, et al. 505–518
Endoplasmic reticulum, specialized
Nakamoto T, et al. 279–284
Epidermis
Burighel P, et al. 529–535
Shames RB, et al. 85–92
Epididymis
Kasper M, et al. 661–664
Epithelial cells
Burighel P, et al. 529–535
Overton J 141–147
Epithelial transport
Marshall AT, et al. 399–404
Estrogen
Chaminadas G, et al. 129–136
Estrogen receptors
Ball GF, et al. 123–128
Estrogen treatment
Chaminadas G, et al. 129–136
Fatty acid-binding protein
Iseki S, et al. 545–548
Fibronectin
Swasdison S, et al. 537–543
Fluorescent dyes
Wunderer H, et al. 565–576
FMRF-like immunoreactivity
Evans BD, et al. 187–199
Freeze-fracturing
Burighel P, et al. 529–535
Hara M, et al. 53–59
GABA (gamma-aminobutyric acid)
Chouaf L, et al. 255–262
Hanesch U, et al. 343–366
Galanin
Kameda Y 623–629
Ganglia, invertebrate
Evans BD, et al. 187–199
Gap junction; see also Nexus
Hara M, et al. 53–59
Gap junction
Shaw SR, et al. 295–302
Gas gland
Lundin K, et al. 641–647
Gastrin
Miller AS, et al. 171–178
Gastrin-like-immunoreactive nerve fibers
Andriès JC, et al. 105–113
Gastrin-like peptide
Andriès JC, et al. 105–113
Gastrin-releasing peptide (GRP)
Miller AS, et al. 171–178
GFAP (glial fibrillary acidic protein)
Chouaf L, et al. 255–262
Gills
King JAC, et al. 367–377
Glomerular arterioles
Gibson IW, et al. 201–206
Glomerulus
Gibson IW, et al. 201–206
Lacy ER, et al. 61–67
Golgi complex
Iida H, et al. 325–331
Golgi impregnation, technique
Hanesch U, et al. 343–366
Gonadotropin-releasing hormone
Schäfer H, et al. 227–235
Gonadotropic cells, gonadotropes
Schäfer H, et al. 227–235
Gonadotropic hormones (gonadotropins, GTH)
Schäfer H, et al. 227–235
Hemocytes
Richards EH, et al. 445–454
Heparan sulfate
Swasdison S, et al. 537–543
Hepatocytes
Chapman LM, et al. 333–341
Kudo S 263–268
Horseradish-peroxidase (HRP) technique, axonal transport, -tracing
Rooney DJ, et al. 423–436
Staiger JF, et al. 471–490
Human chorionic gonadotropin (HCG)
Kerr JB, et al. 163–169
Hydroskeleton
Huang Z, et al. 405–414
Hypothalamus

Subject index

Acetylcholinesterase
Arkett SA, et al. 285–294
ACTH
Redondo JL, et al. 389–397
Actin
Brix K, et al. 115–122
Slepecky N 69–75
Actin filaments
Brix K, et al. 115–122
Adrenal cortex
Redondo JL, et al. 389–397
β-Adrenoreceptors
Ball GF, et al. 123–128
Alkaline phosphatase
Tenenbaum HC, et al. 555–563
Aminergic neurons
Staiger JF, et al. 471–490
Amnion
Overton J 141–147
Amyloid
Clark A, et al. 179–185
Anglerfish peptide YG
Noe BD, et al. 303–311
Arginine vasopressin
Kagotani Y, et al. 269–278
Atresia
Familiari G, et al. 247–253
Atrial natriuretic polypeptides
Iida H, et al. 325–331
Atrial-specific granules
Iida H, et al. 325–331
Autonomic ganglia; see also Ganglia, autonomic
Furness JB, et al. 415–422
Autonomic innervation
Emmelin N, et al. 549–554
Furness JB, et al. 415–422
Miller AS, et al. 171–178
Noe BD, et al. 303–311
Autoradiography
Ball GF, et al. 123–128
McGeachie JK 455–457
Axotomy
Peyronnard J-M, et al. 379–388
Basal lamina, basement membrane
Leardkamolkarn V, et al. 587–596
Biliary system
Chapman LM, et al. 333–341
Bombesin
Miller AS, et al. 171–178
Bowman's capsule
Gibson IW, et al. 201–206
Brain, invertebrate
Andriès JC, et al. 105–113
Evans BD, et al. 187–199
Hanesch U, et al. 343–366
Brain, vertebrate
Gröschel-Stewart U, et al. 137–139
Noe BD, et al. 303–311
Brush cells
Iseki S, et al. 545–548
Calbindin
Lunam CA 149–153
Calcitonin gene-related peptide (CGRP)
Kameda Y 623–629
Calcium ions
Medina A, et al. 597–601
Carbohydrates
Richards EH, et al. 445–454
Cardioactive peptide-like immunoreactivity
Evans BD, et al. 187–199
Carotenoid deficiency
White RH, et al. 519–528
Carotid body
Kameda Y 623–629
Cell culture
Chaminadas G, et al. 129–136
Ennas MG, et al. 9–15
Redondo JL, et al. 389–397
Cell death
Overton J 141–147
Cell junctions
Tidball JG, et al. 77–84
Cell kinetics
Brix K, et al. 115–122
Cell migration, – motility, – movements
Slepecky N 69–75
Cell proliferation
Matsuno K, et al. 459–470
McGeachie JK 455–457
Tenenbaum HC, et al. 555–563
Cerebral ganglia
Hernádi L, et al. 313–323
Chemoreceptors
Schmidt M 609–621
Chloride cells
King JAC, et al. 367–377
Cholecystokinin (CCK)
Andriès JC, et al. 105–113
Cholinergic nerves, terminals
Arkett SA, et al. 285–294
Cilia
Arkett SA, et al. 285–294
Circadian rhythm
Tillet Y, et al. 23–28
Cobalt labeling
Rooney DJ, et al. 423–436
Coexpression
Kasper M, et al. 661–664
Color vision
Gaur VP, et al. 497–503
Compound eye
White RH, et al. 519–528
Wunderer H, et al. 565–576
Connective tissue
McGeachie JK 455–457
Corticosterone
Redondo JL, et al. 389–397
Corticotropin-releasing factor (CRF) = – – hormone (CRH)
Ball GF, et al. 155–161
Cyclic activity
Wrobel K-H, et al. 93–103
Cytochemistry
Peyronnard J-M, et al. 379–388
Cytokeratins
Kasper M, et al. 661–664
Cytoplasm
Gröschel-Stewart U, et al. 137–139
Cytoskeleton
Slepecky N 69–75
Degeneration
Narfström K, et al. 631–639
Wunderer H, et al. 565–576
Dendritic reticulum cell
Ennas MG, et al. 9–15
Denervation
McGeachie JK 455–457
Development, ontogenetic
Tidball JG, et al. 77–84
Development, ontogenetic
Breidbach O, et al. 217–225
Malz CR, et al. 649–652
Diabetes mellitus
Clark A, et al. 179–185
Dorsal root ganglia
Lunam CA 149–153
Peyronnard J-M, et al. 379–388
Dura mater
Angelov DN, et al. 207–216
Endocytosis
Leach L, et al. 603–607
Endometrium
Chaminadas G, et al. 129–136
Hohn H-P, et al. 505–518
Endoplasmic reticulum, specialized
Nakamoto T, et al. 279–284
Epidermis
Burighel P, et al. 529–535
Shames RB, et al. 85–92
Epididymis
Kasper M, et al. 661–664
Epithelial cells
Burighel P, et al. 529–535
Overton J 141–147
Epithelial transport
Marshall AT, et al. 399–404
Estrogen
Chaminadas G, et al. 129–136
Estrogen receptors
Ball GF, et al. 123–128
Estrogen treatment
Chaminadas G, et al. 129–136
Fatty acid-binding protein
Iseki S, et al. 545–548
Fibronectin
Swasdison S, et al. 537–543
Fluorescent dyes
Wunderer H, et al. 565–576
FMRF-like immunoreactivity
Evans BD, et al. 187–199
Freeze-fracturing
Burighel P, et al. 529–535
Hara M, et al. 53–59
GABA (gamma-aminobutyric acid)
Chouaf L, et al. 255–262
Hanesch U, et al. 343–366
Galanin
Kameda Y 623–629
Ganglia, invertebrate
Evans BD, et al. 187–199
Gap junction; see also Nexus
Hara M, et al. 53–59
Gap junction
Shaw SR, et al. 295–302
Gas gland
Lundin K, et al. 641–647
Gastrin
Miller AS, et al. 171–178
Gastrin-like-immunoreactive nerve fibers
Andriès JC, et al. 105–113
Gastrin-like peptide
Andriès JC, et al. 105–113
Gastrin-releasing peptide (GRP)
Miller AS, et al. 171–178
GFAP (glial fibrillary acidic protein)
Chouaf L, et al. 255–262
Gills
King JAC, et al. 367–377
Glomerular arterioles
Gibson IW, et al. 201–206
Glomerulus
Gibson IW, et al. 201–206
Lacy ER, et al. 61–67
Golgi complex
Iida H, et al. 325–331
Golgi impregnation, technique
Hanesch U, et al. 343–366
Gonadotropin-releasing hormone
Schäfer H, et al. 227–235
Gonadotropic cells, gonadotropes
Schäfer H, et al. 227–235
Gonadotropic hormones (gonadotropins, GTH)
Schäfer H, et al. 227–235
Hemocytes
Richards EH, et al. 445–454
Heparan sulfate
Swasdison S, et al. 537–543
Hepatocytes
Chapman LM, et al. 333–341
Kudo S 263–268
Horseradish-peroxidase (HRP) technique, axonal transport, -tracing
Rooney DJ, et al. 423–436
Staiger JF, et al. 471–490
Human chorionic gonadotropin (HCG)
Kerr JB, et al. 163–169
Hydroskeleton
Huang Z, et al. 405–414
Hypothalamus

Ball GF, et al. 155–161
Schäfer H, et al. 227–235
Identified neurons
Breidbach O, et al. 217–225
Immune response
Matsuno K, et al. 459–470
Immunocytochemistry
Andriès JC, et al. 105–113
Ball GF, et al. 123–128
Chouaf L, et al. 255–262
Furness JB, et al. 415–422
Hanesch U, et al. 343–366
Hernádi L, et al. 313–323
Iseki S, et al. 545–548
Kameda Y 623–629
Leach L, et al. 603–607
Slepecky N 69–75
Immunoglobulin
Leach L, et al. 603–607
Immunohistochemistry
Ball GF, et al. 155–161
Cajander SB, et al. 1–8
Ennas MG, et al. 9–15
Kudo S 263–268
Lunam CA 149–153
Lundin K, et al. 641–647
Matsuno K, et al. 459–470
Miller AS, et al. 171–178
Neuhold N, et al. 437–443
Noe BD, et al. 303–311
Schooneveld H, et al. 29–39
Inflammation
Kerr JB, et al. 163–169
Inner ear
Slepecky N 69–75
Insulin
Clark A, et al. 179–185
Intercellular junctions
Burighel P, et al. 529–535
Intermediate filaments; see also filaments, 10-nm, intermediate
Kasper M, et al. 661–664
Interstitial retinol-binding protein (IRBP), also Interphotoreceptor retinoid-binding-protein
Narfström K, et al. 631–639
Intestine, small
Furness JB, et al. 415–422
Ionic regulation
Marshall AT, et al. 399–404
Medina A, et al. 597–601
Islet amyloid peptide
Clark A, et al. 179–185
Isthmo-optic system
Malz CR, et al. 649–652
Junctional structures
Chapman LM, et al. 333–341
Keratin
Shames RB, et al. 85–92
Kidney
Gibson IW, et al. 201–206
Lacy ER, et al. 61–67
Laminin
Leardkamolkarn V, et al. 587–596
Swasdison S, et al. 537–543
Lectins, lectin-binding properties, cytochemistry
Iida H, et al. 325–331
Peyronnard J-M, et al. 379–388
Richards EH, et al. 445–454
Leptomeninges Leukocytes; see Granulocytes, Lymphocytes
Angelov DN, et al. 207–216
Leydig cells
Grier HJ, et al. 491–496
B-Lymphocytes
Ennas MG, et al. 9–15
Matsuno K, et al. 459–470
Lymphoid cells
Matsuno K, et al. 459–470
Lysosomes
Clark A, et al. 179–185
Macrophages
Leung K-P, et al. 653–656
Matsuno K, et al. 459–470
Mechanoreceptors
Schmidt M 609–621
Melatonin
Tillet Y, et al. 23–28
Membrane fusion
Hohn H-P, et al. 505–518
Membrane particles
Burighel P, et al. 529–535
Membrane recycling
Wunderer H, et al. 565–576
Mesenchymal cells, mesenchyme
Angelov DN, et al. 207–216
Microenvironment
Matsuno K, et al. 459–470
Microinjection
Brix K, et al. 115–122
Monoaminergic neurons
Kagotani Y, et al. 269–278
Monoclonal antibodies
Chapman LM, et al. 333–341
Gaur VP, et al. 497–503
Neuhold N, et al. 437–443
Schooneveld H, et al. 29–39
Morphogenesis
Angelov DN, et al. 207–216
MSH (α, β, γ)
Redecker P 657–660
MSH-producing cells
Redecker P 657–660
Multivesicular bodies
Leach L, et al. 603–607
Muscle, smooth
Gröschel-Stewart U, et al. 137–139
Huang Z, et al. 405–414
Muscle, striated, skeletal
McGeachie JK 455–457
Tidball JG, et al. 77–84
Myeloid bodies
White RH, et al. 519–528
Myofilaments
Huang Z, et al. 405–414
Myogenic cells, myogenesis
Tidball JG, et al. 77–84
Myoid cells
Grier HJ, et al. 491–496
Myosin
Brix K, et al. 115–122
Gröschel-Stewart U, et al. 137–139
Myotendinous junctions
Swasdison S, et al. 537–543
Tidball JG, et al. 77–84
Nervous system, central
Hernádi L, et al. 313–323
Nervous system, peripheral
Schooneveld H, et al. 29–39
Neural tracts
Rooney DJ, et al. 423–436
Neuromedin U
Furness JB, et al. 415–422
Neuromuscular junctions, invertebrate
Hara M, et al. 53–59
Neuronal connections
Malz CR, et al. 649–652
Staiger JF, et al. 471–490
Neuropeptide coexistence, -colocalization
Evans BD, et al. 187–199
Furness JB, et al. 415–422
Neuropeptide immunocytochemistry
Breidbach O, et al. 217–225
Evans BD, et al. 187–199
Furness JB, et al. 415–422
Lundin K, et al. 641–647
Noe BD, et al. 303–311
Schooneveld H, et al. 29–39
Neuropeptide Y
Kagotani Y, et al. 269–278
Noe BD, et al. 303–311
Neurosecretory neurons
Ball GF, et al. 155–161
Neurosecretory release sites
Ball GF, et al. 155–161
Neurotransmitters
Hanesch U, et al. 343–366
Nucleus intercollicularis
Ball GF, et al. 123–128
Olfactory system
Rooney DJ, et al. 423–436
Oocytes
Medina A, et al. 597–601
Opsin
Narfström K, et al. 631–639
Optic lobe
Shaw SR, et al. 295–302
Organ culture
Hohn H-P, et al. 505–518
Osmoregulatory function
King JAC, et al. 367–377
Ossification
Tenenbaum HC, et al. 555–563
Ovarian follicles
Familiari G, et al. 247–253
Ovary
Cajander SB, et al. 1–8
Familiari G, et al. 247–253
Ovulation
Cajander SB, et al. 1–8
Pancreas, endocrine
Clark A, et al. 179–185
Neuhold N, et al. 437–443
Noe BD, et al. 303–311
Paraventricular nucleus
Kagotani Y, et al. 269–278
Parotid gland
Emmelin N, et al. 549–554
Pattern analysis
Chouaf L, et al. 255–262
Peptidergic neurons
Staiger JF, et al. 471–490
Peripolar cells
Gibson IW, et al. 201–206
Lacy ER, et al. 61–67
Phagocytosis
Leung K-P, et al. 653–656
Phosphate
Tenenbaum HC, et al. 555–563
Photoreceptor cells
Gaur VP, et al. 497–503
Shaw SR, et al. 295–302
White RH, et al. 519–528
Pineal organ, – complex
Tillet Y, et al. 23–28
Pituitary gland, pars anterior (distalis)
Leardkamolkarn V, et al. 587–596
Schäfer H, et al. 227–235
Pituitary gland, pars intermedia
Redecker P 657–660
Placenta
Leach L, et al. 603–607
Polymorphonuclear leucocytes
Leung K-P, et al. 653–656
Preoptic nucleus
Schäfer H, et al. 227–235
Proctolin-like immunoreactivity
Breidbach O, et al. 217–225
Progesterone
Chaminadas G, et al. 129–136
Protein synthesis
Chaminadas G, et al. 129–136
Protocerebrum
Hanesch U, et al. 343–366
Receptors, membrane
Richards EH, et al. 445–454
Retina
Gaur VP, et al. 497–503
Malz CR, et al. 649–652
Narfström K, et al. 631–639
Retinal S-antigen
Narfström K, et al. 631–639
Retinular cell junction
Shaw SR, et al. 295–302
Salt glands
Marshall AT, et al. 399–404
Satellite cells, muscle
McGeachie JK 455–457
Scales
Shames RB, et al. 85–92
Sea water
Schmidt M 609–621
Secretion
Chaminadas G, et al. 129–136
Secretory granules
Clark A, et al. 179–185
Emmelin N, et al. 549–554
Sensilla
Schmidt M 609–621
Septum
Staiger JF, et al. 471–490
Serotonin (5-HT)
Hernádi L, et al. 313–323
Serotonin-containing cells

Hernádi L, et al. 313–323
Sertoli cells
Grier HJ, et al. 491–496
Kerr JB, et al. 163–169
Wrobel K-H, et al. 93–103
Somatostatin (SRIF)
Kameda Y 623–629
Somatostatin immunoreactivity
Kameda Y 623–629
Spermatogenesis
Kerr JB, et al. 163–169
Wrobel K-H, et al. 93–103
Spermiogenesis
Kerr JB, et al. 163–169
Nakamoto T, et al. 279–284
Spinal cord
Lunam CA 149–153
Spleen
Matsuno K, et al. 459–470
S-100 protein
Chouaf L, et al. 255–262
Steroid production
Redondo JL, et al. 389–397
Steroids
Hohn H-P, et al. 505–518
Stomach
Iseki S, et al. 545–548
Miller AS, et al. 171–178
Stria terminalis
Ball GF, et al. 155–161
Subcommissural organ
Chouaf L, et al. 255–262
Substance P
Kameda Y 623–629
Superior cervical ganglionectomy
Tillet Y, et al. 23–28
Swim bladder
Lundin K, et al. 641–647
Synapses
Arkett SA, et al. 285–294
Tendon
Tidball JG, et al. 77–84
Testis
Grier HJ, et al. 491–496
Kerr JB, et al. 163–169
Nakamoto T, et al. 279–284
Wrobel K-H, et al. 93–103
Thyroid C-cells
Neuhold N, et al. 437–443
Thyroid gland
Neuhold N, et al. 437–443
Tight junctions
Burighel P, et al. 529–535
Chapman LM, et al. 333–341
Tonsils
Ennas MG, et al. 9–15
α-Transducin
Narfström K, et al. 631–639
Trophoblastic cells
Leach L, et al. 603–607
Vacuoles
Kudo S 263–268
Vimentin
Kasper M, et al. 661–664
Water transport
Marshall AT, et al. 399–404
Zona pelucida
Familiari G, et al. 247–253